

Pteridophyta MCQ Question Answer

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Question: 1. Spore bearing organ of a fern is called

- Option A. sporophyll
- Option B. Sorus
- Option C. ramenta
- Option D. none of these

Question: 2. Sporophyte of Pteris

- Option A. is independent of gametophyte from the beginning
- Option B. is dependent on the gametophyte only in the beginning
- Option C. supplies water and inorganic salt to the gametophyte
- Option D. none of these

Question: 3. The stele in fern is

- Option A. eustele
- Option B. siphostele
- Option C. dictyostele
- Option D. none of these

Question: 4. The number of megaspores in *Selaginella rupestris* is

- Option A. one
- Option B. two
- Option C. three
- Option D. four

Question: 5. The following is the most primitive vascular plant:

- Option A. Ferns
- Option B. Cycas
- Option C. Sphagnum
- Option D. Psilotum

Question: 6. Stem is polystelic in

- Option A. *Selaginella*
- Option B. Cycas
- Option C. Pinus
- Option D. All of these

Question: 7. Circinate venation is found in

- Option A. Cycas

- Option B. Fern
- Option C. Both (a) and (b)
- Option D. None of these

Question: 8. Gametangia of fern are produced on the

- Option A. leaves
- Option B. sorus
- Option C. prothallus
- Option D. ramenta

Question: 9. Fern differs from moss because it has

- Option A. (a) swimming antherozoids
- Option B. independent gametophyte
- Option C. multiciliate sperms
- Option D. buihate sperms

Question: 10. Sporr in fern are produced through

- Option A. mitosis
- Option B. mitosis and meiosis
- Option C. meiosis
- Option D. none of these

Question: 11. In the archegonium of fern tliere are/is

- Option A. four neck canal cells
- Option B. three neck canal cells
- Option C. one neck canal cell having one nucleus
- Option D. one neck canal cell having two nuclei

Question: 12. In Pteris, the petiole has a groove and its stele is

- Option A. Horse shoe shaped
- Option B. W-shaped
- Option C. M-shaped
- Option D. Without any definite shape

Question: 13. Pteridophytes are so-called

- Option A. phanerogams
- Option B. spermatophytes
- Option C. vascular cryptogams
- Option D. amphibians of plant kingdom

Question: 14. Selaginella and fern share the following character:

- Option A. Protostelic stele

- Option B. Leptosporangiate sporangium
- Option C. Heterospory
- Option D. Absence of ovules

Question: 15. Leptosporangiate sporangium is

- Option A. single-celled
- Option B. multicelled and formed from many cells
- Option C. multicellular
- Option D. multicelled and formed from a single cell

Question: 16. The stele of Lycopodium is

- Option A. polystele
- Option B. siphonostele
- Option C. haplostele
- Option D. actinostele

Question: 17. Young sporophyte of Pteris draws nourishment from prothallus through

- Option A. haustoria
- Option B. foot
- Option C. root
- Option D. rhizoids

Question: 18. If a sporangium develops from a single initial, it is called

- Option A. leptosporangiate
- Option B. eusporangiate
- Option C. both (a) and (b)
- Option D. none of these

Question: 19. Multiflagellate sperms are the characteristic of

- Option A. Mosses
- Option B. Riccia
- Option C. Ferns
- Option D. Pogonatum

Question: 20. What happens to the spore of ferns ?

- Option A. It joins with another spore to form a seedling
- Option B. It encysts and is devoured by snail
- Option C. It germinates to become another spore forming a fern plant
- Option D. It germinates to become a prothallus

Question: 21. Microsporangia and macrosporangia are found in the same cone of

- Option A. Dryopteris

- Option B. Selaginella
- Option C. Psilotum
- Option D. Equisetum

Question: 22. Seed habit originated in

- Option A. Pteridophytes
- Option B. Bryophytes
- Option C. Algae
- Option D. Fungi

Question: 23. In Selaginella, an "organ suigeneris" is

- Option A. rhizoid
- Option B. root
- Option C. ligule
- Option D. rhizophore

Question: 24. Most primitive living vascular plants are

- Option A. Brown algae
- Option B. Sphagnum
- Option C. Cycads
- Option D. Ferns

Question: 25. Fern differs from Selaginella

- Option A. in arrangement of leaves
- Option B. in having rhizoids
- Option C. in absence of heterosporous condition
- Option D. none of these

Question: 26. Vessels are not found in the

- Option A. Dryopteris
- Option B. Mango
- Option C. Guava
- Option D. Cnetum

Question: 27. The hair-like structures covering young fern leaves are called

- Option A. scales
- Option B. elaters
- Option C. ramenta
- Option D. none of these.

Question: 28. The gametophyte and sporophyte generations are independent in

- Option A. Moss

- Option B. Fern
- Option C. Pine
- Option D. None of these

Question: 29. Gametes are produced in prothallus by

- Option A. anthers and archegonia
- Option B. ascogonium and anthers
- Option C. antheridia and archegonia
- Option D. none of these

Question: 30. Selaginella is less advanced than Pinus because

- Option A. it has no fruits
- Option B. it has no flowers
- Option C. its pollination and fertilization is through anthers.
- Option D. it is heterothallic

Answer Sheet

1	A	
2	A	
3	C	
4	A	
5	D	
6	A	
7	C	
8	C	
9	C	
10	C	
11	D	
12	A	
13	C	
14	D	
15	D	
16	D	
17	B	
18	A	
19	C	
20	D	
21	B	
22	A	
23	D	
24	D	
25	C	
26	A	
27	C	
28	B	
29	C	
30	C	